

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

www.dnr.mo.gov

AUG 30 2012

CERTIFIED MAIL # 7009 3410 0001 9190 2026
RETURN RECEIPT REQUESTED

Mr. David Vasbinder
Bridgeton Landfill, LLC
13570 St. Charles Rock Road
Bridgeton, MO 63044

RE: Bridgeton Sanitary Landfill, Permit Number 0118912, Revised Gas Monitoring Probe Permit Modification, St. Louis County

Dear Mr. Vasbinder:

This letter is in response to the submittal titled, "Revised Gas Monitoring Probe Permit Modification" and a two page letter from you regarding the same subject, both dated August 14, 2012, and received by the Missouri Department of Natural Resources' Solid Waste Management Program (SWMP) on August 16, 2012. The submittal was prepared by Andy Limmer, R.G., Senior Project Manager and Matt Ballance, P.E., Associate Principal, both of Aquaterra Environmental Solutions, Inc. (Aquaterra). The submittal proposed modifications to the gas monitoring well network.

The proposal is to install 8 new nested gas monitoring probes (monitoring 2 zones in each well), moving the point of compliance to the property line in some locations on the east side of the landfill. The use of the nested wells may help identify the elevations or zones of gas migration, if or when it occurs. The previous 4 compliance wells, GMP-4, GMP-5, GMP-6 and GMP-7, will be retained as sentry wells and monitored at least quarterly.

The SWMP has reviewed this report in accordance with the Missouri Solid Waste Management Law and regulations. The SWMP hereby approves this modification to the gas monitoring plan at the Bridgeton Sanitary Landfill. Compliance with these conditions will, in part, determine compliance with Solid Waste Disposal Area Permit Number 0118912.

CONDITIONS:

1. The SWMP considers this report to be part of the landfill gas corrective action plan, since there are no remedial measures proposed to control the gas. Due to the need for an expedited review of your proposal to relocate the monitoring wells out to the property

boundary, please submit the landfill gas corrective action plan for the east side of the landfill (the 8 proposed nested wells, GMP-4 thru 7 and GMP-13 thru 16) concurrent with the landfill gas corrective action plan required for gas monitoring well BRIGMP01. This joint proposal must be submitted to the SWMP within 90 days of the date of this letter. This deadline replaces the deadline set forth in the July 23, 2012, letter from the SWMP to you.

2. The SWMP considers this report to be part of a comprehensive landfill gas investigation plan. The SWMP reserves the right to require a landfill gas investigation be completed in the future if deemed necessary.
3. The installation of investigation wells in the vicinity of gas monitoring well BRIGMP01 were approved in a September 30, 2011, letter from the SWMP to you.
4. Gas monitoring wells shall be constructed in a manner such that they are accessible to water level monitoring equipment, such as electronic depth measuring tapes.
5. For any well which contains >2.5% methane by volume within the first 60 days of completion of the well, a landfill gas corrective action plan shall be submitted to the SWMP within 60 days of detection of the exceedances in said well(s), including exceedances discovered in any investigative wells in the vicinity of BRIGMP01.

The SWMP has reviewed the following document:

DOCUMENT:

A letter regarding the Revised Modification to the Gas Monitoring Probe Network from Mr. David Vasbinder and a report titled "Revised Gas Monitoring Probe Permit Modification", both dated August 14, 2012, from Andy Limmer, R.G. and Matt Ballance, P.E. of Aquaterra Environmental Solutions, Inc. to Ms. Charlene Fitch, P.E. of the SWMP.

This approval is not to be construed as compliance with any existing federal or state laws other than the Missouri Solid Waste Management Law; nor should this be construed as a waiver for any other regulatory requirements. This approval is not to be construed as compliance with any existing local permitting or zoning ordinances; nor does it supersede any local permitting and/or zoning requirements.

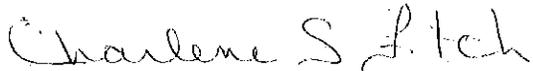
The Department reserves the right to revoke, suspend, or modify this approval and/or Permit Number 0118912 after due notice, if the permit holder fails to maintain the facility in compliance with the Missouri Solid Waste Management Law and regulations, the terms and conditions of the permit, and approved engineering plans and specifications.

Mr. David Vasbinder
Bridgeton Landfill
Page 2

If you have any questions, please contact Mr. Dan Norris or Mr. J.P. Boessen at (573) 751-5401 or at P.O. Box 176, Jefferson City, Missouri 65102-0176.

Sincerely,

SOLID WASTE MANAGEMENT PROGRAM



Charlene S. Fitch, P.E.
Chief, Engineering Section

CSF:jbl

c: Andy Limmer, R.G., Aquaterra Environmental Solutions, Inc.
John Haasis, P.E., St. Louis County Department of Health
Mr. Larry Lehman, Chief, Compliance/Enforcement Section, SWMP
St. Louis Regional Office